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JOINT REPORT

OF THE

Medical Officer of Health,

AND

SANITARY INSPECTOR & SURVEYOR,

ON THE

SANITARY CONDITIONS

OF THE

MACCLESFIELD

RURAL DISTRICT,

FOR THE YEAR 1898.



MACCLESFIELD :

HEATH BROS., PRINTERS, "TIMES" OFFICE.

Names and Residences of the Rural District Councillors.



- a* Mr. Allen Cooke, Whiteley Green, Adlington, near Macclesfield.
- a* Rev. Canon Bell, J.P., Alderley Rectory, near Crewe.
- a* Mr. Henry Massey, Over Alderley, near Crewe.
- a* Mr. Simeon Massey, Birtles Old Hall, Chelford, near Crewe.
- a* Mr. Francis Rathbone Thompstone, Harrington House, Bosley, near Macclesfield.
- a* Mr. John Jackson, Butley, near Macclesfield.
- a* Mr. John Wright, Simons Wood, Siddington, near Crewe.
- a* Mr. James Callwood, Chelford, near Crewe.
- a* Mr. Joseph Davies, Chorley Hall, Alderley Edge, near Manchester.
- a* Mr. Peter Robinson, Moss Farm, Eaton, near Congleton.
- a* Mr. John Thomas Warren, Upton Hall Farm, Upton, nr. Macclesfield.
- a* Mr. Harry Edgar Smale, Hurdsfield Cottage, Hurdsfield, near Macclesfield.
- a* Mr. John Gardiner, The Mount Farm, Kerridge, near, Macclesfield.
- b* Mr. Robert Bennett, Head Farm, Kettleshulme, nr. Stockport.
- b* Mr. Edward Howe, Pott Shrigley, near Macclesfield.
- b* Mr. Daniel Cooper Wheelton, Lower Nabs, Wildboarclough, near Macclesfield.
- c* Mr. Peter Potts, Marton, near Crewe.
- c* Mr. Edward Cliff, Mottram-St.-Andrew, near Macclesfield.
- c* Mr. Enoch Clayton, North Rode Hall Farm, North Rode, near Congleton.
- b* Rev. Thomas Bridge, The Vicarage, Poynton, near Stockport.
- b* Mr. George Clementson Greenwell, Beechfield, Poynton, nr. Stockport.
- b* Mr. Thomas Robinson, Black Boy, Prestbury, near, Macclesfield.
- b* Mr. William Shufflebotham, Snipe House, Rainow, near Macclesfield.
- b* Mr. William Whiston, J.P., Langley, near Macclesfield.
- b* Rev. S. Evans, Taxal, near Stockport.
- b* Mr. Henry Wallworth, Tytherington Old Hall, Tytherington, near Macclesfield.
- b* Mr. Edward Thompstone, Great Warford, Alderley Edge, near Manchester.
- b* Mr. Thomas Venables, Lower Withington, near Crewe.
- b* Mr. James Shufflebotham, Wood Cottage, Wincle, near Macclesfield.
- b* Mr. Samuel Worthington, Woodford Old Hall, Woodford, near Stockport.

a Retire April, 1899. *b* Retire April, 1901. *c* Retire April, 1900.

TO THE CHAIRMAN AND MEMBERS
OF THE
RURAL DISTRICT COUNCIL
OF MACCLESFIELD.

GENTLEMEN,

Area of District, 80,409 acres.
Population (1891), 17,329.
Townships in Districts, 38.

During the year 1898 there have been registered 435 births (229 males, 206 females), the natural increase for the year being 191.

The birthrate is 25·27 per 1,000 per annum, and the rate of mortality is 14·08 per 1,000 per annum. 27·04 per cent. of the total deaths were children under five years of age, against 20·77 per cent. of last year. 37·704 per cent. were persons of 65 years and upwards against 37·66 of 1897.

The rate of infant mortality, measured by the proportion of deaths of children under one year of age per 1,000 born, is 101·14, against 70·21 of 1897. The rate of mortality of males of all ages per 1,000 of population is 6·81, and of females 7·27.

The death rate from zymotic diseases per 1,000 of population is 17, against 16·3 of last year.

Deaths occurred at the following ages :---

Under 1 year	44
Between 1 and 5 years.....	22
„ 5 and 15 „	9
„ 15 and 25 „	7
„ 25 and 65 „	70
65 and upwards	92

244

SMALLPOX.—No cases.

SCARLET FEVER.—79 cases were notified, of which two in the district of Prestbury died.

DIPHTHERIA.—5 cases were notified, namely, 1 in Gawsworth, 2 in Prestbury, 1 in Rainow, and 1 in Sutton. No deaths occurred from this disease.

MEMBRANEOUS CROUP.—1 case was notified from Prestbury.

TYPHUS FEVER.—No case notified.

TYPHOID FEVER.—9 cases were notified from 5 townships. 1 case in Gawsworth died.

PUERPERAL FEVER.—No case notified.

ERYSIPELAS.—2 cases were notified from this disease---1 in the township of Alderley and 1 in Sutton. Both recovered.

MEASLES.---4 deaths were due to this disease---1 in Gawsworth and 3 in Prestbury.

WHOOPING COUGH.---1 death occurred in Alderley.

RHEUMATIC FEVER.---No deaths.

PHTHISIS.---13 deaths were due to this disease against 7 of last year---2 in Alderley, 2 in Bollington, 2 in Gawsworth, 5 in Prestbury division, 1 in Rainow, and 1 in Sutton.

BRONCHITIS, PNEUMONIA, AND PLEURISY.---56 deaths were due to these diseases against 33 of last year.

HEART DISEASE.---19 deaths against 24 of last year.

INFLUENZA.---4 deaths occurred---1 in Gawsworth and 3 in Prestbury.

INJURIES.---2 deaths in Prestbury.

ALL OTHER DISEASES.---139 deaths against 133 of last year.

INFECTIOUS DISEASE.---There have been during the past year 65 outbreaks of infectious disease in the six sub-districts; embracing a total of 96 cases, the majority of which were scarlet fever. The result is totalled as follows :---79 cases of scarlet fever. 5 of diphtheria, 2 of erysipelas, 9 of typhoid fever, and 1 membranous croup.

ALDERLEY.---In this district there were 2 outbreaks, and 2 cases, 1 of scarlet fever and 1 of erysipelas. No deaths occurred, and in each case the sanitary conditions were satisfactory. This district has been remarkably free from infectious sickness.

BOLLINGTON.---There were in this district 11 outbreaks, embracing 20 cases of infectious disease. Of these 16 cases were scarlet fever and 4 typhoid fevers. Of the eleven places where outbreaks occurred, 7 were in good sanitary condition. Two were fair, and two had defective drainage.

GAWSWORTH.---From this district were notified 3 outbreaks and 4 cases---2 scarlet fever, 1 diphtheria, and 1 typhoid fever. Of the three places inspected, 2 were in good sanitary condition, and 1 was defective. There was 1 death from typhoid fever.

PRESTBURY.---In this district there were 23 outbreaks and 35 cases. Of these 31 were scarlet fever, 2 were diphtheria, 1 was typhoid, and 1 membranous croup. There were 2 deaths from scarlet fever, in neither of which could the source of infection be traced. In three places investigated the sanitary conditions were defective, but in the other places they were satisfactory.

RAINOW.---From this district 17 outbreaks were notified; embracing 30 cases, 28 of which were scarlet fever, 1 diphtheria, and 1 typhoid fever. There were not any deaths from infectious diseases in this district. One case was distinctly traceable to bad water, and in other places the sanitary conditions were defective.

SUTTON.---There were in this district 3 individual cases of infectious disease, 1 of diphtheria, 1 of typhoid fever, and 1 of erysipelas. The sanitary conditions of this sub-district were generally good, but in one the drainage was defective. There were not any deaths.

POYNTON.---There was an outbreak of measles in this township. This epidemic outbreak of measles, although it seized almost every child in the neighbourhood, showed no violence in its attack; the cause of death in each case was broncho-pneumonia, one of the sequelæ of measles, which occurred probably by going out too soon when convalescent. One of these deaths occurred at 9 years, two at 6, one at 5, three at 4, two at 3, one at 2, four at 6, and one under twelve months--total 14. All the schools were closed in consequence of the very general outbreak of this disease. After being closed for six weeks, the schools have been cleansed and re-opened, so far without any re-appearance of the disease.

MORTALITY FROM PHTHISIS.--In 1876 there were 26 deaths in the Macclesfield Rural Sanitary District. The highest number of deaths was in 1879 when it reached 28, and was equalled again in 1882. The lowest record was in 1897, being only 7. Since 1890 the average gives a steadily decreasing rate of mortality from this disease.

When making a special examination of the township of Adlington with reference to several cases of scarlet fever having occurred, I called at Wood-lane School, which I found not in a satisfactory condition. I advised the Council to order its closure in order to make such alterations and repairs as were needful. This was effected under the supervision of Mr. Thorp, our surveyor.

In October there was a very general outbreak of whooping cough amongst the children attending Prestbury National School. I advised the Council to close it for a time, and the disease passed away without any extension.

On receipt of notification of infectious disease I have visited the dwellings and localities where the outbreaks occurred, and have given instructions to competent persons to adopt available means to prevent its extension.

The source of the milk supply is noted, and frequently the cattle are inspected. For the present I have not traced anything amiss to the distribution of milk.

I am, Gentlemen,

Your obedient servant,

JOHN L. RUSHTON, M.D.,

Medical Officer of Health.

Macclesfield,

March 2nd, 1899.

Outbreaks of Infectious Diseases during 1898.

No. of Case	No. in Report Book	Date.	Sub-District	Township.	Initials.	Disease.	No. of family.	No. Seized.	Age.	Source of infection.	Incidence.	Sequence.	Remarks.
644	42	1898. Jan. 2	Prestbury	Prestbury	F.E.	Scarlet Fever...	10	135		Traceable to No 643	Jan.	1	No sanitary defects
645	44	" 7	Rainow	Rainow	D.W.	"	10	16		Bollington School	"	5	Defective closet accommo-
646	42	" 13	Prestbury	Prestbury	F.W.F.	"	10	135		To No. 644	"	11	No sanitary defects [dation
647	45	" 14	Kerridge	Bollington	W.F.	"	9	110		Bollington School	"	12	Overcrowding
648	45	" 14	"	"	W.E.	"	9	18		"	"	12	"
649	46	" 14	Prestbury	Mottram	H.M.J.	"	3	18		Not traceable	"	6	An undiscovered case
650	42	" 18	"	Prestbury	F.J.	"	10	14		To 646	"	16	No sanitary defects
651	47	" 19	"	Mottram	G.H.	"	4	16		Over Alderley Sch.	"	17	"
652	49	" 27	Bollington	High'r H'rd'sf'd	T.S.	Enteric Fever...	7	136		Not traceable	"	4	Recovery
653	50	" 29	Prestbury	Adlington	W.S.	Scarlet Fever...	5	16		Not traceable	"	26	Premises untidy
654	51	" 30	Rainow	Kettleshulme	P.G.	"	6	18		Not traceable	"	26	"
655	52	" 31	Prestbury	Adlington	F.P.	"	7	16		Traceable to 653	"	29	"
656	52	Feb. 3	"	"	F.H.	"	7	15		"	"	29	"
657	50	" 4	"	"	W.T.	"	5	17		"	Feb.	2	"
658	53	" 8	"	"	J.H.	"	7	16		Wood Lane School	"	6	Insanitary conditions
659	53	" 10	"	"	J.E.	"	7	12		Traceable to 658	"	9	Died.
660	56	" 10	"	M'ttr'm-St.-And	F.J.	Enteric Fever...	3	163		To Manchester	"	6	Recovered
661	57	" 14	"	Poynton	P.S.A.	Scarlet Fever..	4	16		Traceable to Wood	"	13	Recovered
662	58	" 24	Alderley	Over Alderley	B.A.	"	3	120		[Lane Sch.	"	22	Recovered
663	53	" 27	Rainow	Kettleshulme...	B.J.W.	Diphtheria	4	13		Not traceable	"	25	Connected drain with cess
664	53	Mar. 4	Prestbury	Adlington	J.J.	Scarlet Fever...	7	15		Traceable to 659	Mar.	2	[pool
665	60	" 4	"	Poynton	H.A.	"	3	120		Not traceable	"	2	Sanitary conditions good
666	53	" 5	"	"	R.M.	"	3	123		Not traceable	"	3	Defective ashpit
667	53	" 7	"	"	J.A.	"	7	14		Traceable to 664	"	5	Died.
668	63	" 10	Rainow	M'elsf'd Forest	B.A.	Typhoid Fever.	4	117		Not traceable	Feb.	28	Recovered
669	63	" 13	Prestbury	Butley Town	P.J.	Diphtheria	6	15		m Traceable	Mar.	11	Recovered
670	65	" 15	"	Adlington	H.H.	Scarlet Fever...	7	12		Not traceable	"	13	Defective drainage

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671	66	1898. Mar. 16	Gawsworth	North Rode ...	I.L.	Scarlet Fever...	7	1	3	Traceable to Sandbach	Mar. 14	Recovery	Sanitary conditions good
672	66	" 17	Gawsworth	"	I.E.	"	7	1	6	"	" 15	"	"
673	68	" 17	Prestbury	Poynton ...	W.W.	"	2	1	12	Not traceable	" 16	Recovery	Sanitary conditions good
674	69	Apl. 15	Alderley	L'w'r W'v'g'tn	C. G.	Erysipelas ...	5	1	35	"	" 14	"	"
675	70	" 18	Prestbury	Poynton	W.D.	Scarlet Fever...	5	1	11	"	" 16	"	"
676		" 21	Sutton	Sutton	B.J.	Diphtheria ...	4	1	7	"	" 19	"	"
677		May 21	"	"	B.J.	Erysipelas ...	6	1	63	To an old drain	May 19	"	"
678	72	" 21	Rainow	Mc'sfieldForst	R.M.	Scarlet Fever...	6	1	6	Not traceable	" 20	"	"
679	72	" 21	"	"	R.J.	"	6	1	1	Traceable to 678	" 20	"	"
680	72	" 24	"	"	B.G.	"	6	1	21	"	" 22	"	"
681	72	June 3	"	"	R.H.	"	6	1	28	"	June 1	"	"
682	74	" 6	Prestbury	Adlington	W.F.	Diphtheria ...	1	1	4	Doubtful well	" 4	"	Sanitary conditions good
683	75	July 12	"	Poynton ...	B.M.	Scarlet Fever...	1	1	16	Not traceable	July 10	"	"
684	76	Aug. 6	Sutton	Langley ...	H.W.	Typhoid Fever...	1	1	31	"	Aug. 3	"	Defective drainage
685	78	" 13	Gawsworth	Gawsworth	T.E.A.	Diphtheria ...	1	1	36	To drains	" 11	"	"
686	79	Sept. 2	Rainow	Rainow ...	P.E.	Scarlet Fever...	8	1	3	Not traceable	" 31	"	Uncovered ashpit
687		" 16	"	"	S.L.	"	3	1	8	"	Sept. 13	"	"
688		" 22	"	"	P.J.V.	"	8	1	11	To water	" 20	"	Bad water
689		" 26	"	"	P.A.	"	8	1	14	"	" 24	"	"
690		" 28	Prestbury ..	Poynton ...	B.A.	"	7	1	12	To Macclesfield	" 26	"	Sanitary conditions good
691		" 29	Bollington..	Kerridge ...	D.H.	"	10	1	7	Not traceable	" 28	"	"
692		Oct. 10	"	Tytherington ..	B.L.	Typhoid Fever.	5	1	17	"	Oct. 8	"	"
693		" 12	"	Kerridge	G.W.	Scarlet Fever...	7	1	2	"	" 10	"	Doubtful water
694		" 17	"	"	J.A.	"	7	1	9	To school	" 16	"	"
695	87	" 21	"	"	S.E.M.	"	7	1	13	To Bollington	" 20	"	Sanitary conditions fair
696		" 24	"	"	G.E.	"	7	1	2	To No. 693	" 22	"	"
697	87	" 28	"	H. Hursfield..	P.J.	Typhoid Fever.	9	1	37	Not traceable	" 26	"	Sanitary conditions fair
698	88	" 30	Prestbury ..	Butley ...	G.G.J.	Scarlet Fever...	4	1	7	"	" 29	"	"

Outbreaks of Infectious Diseases during 1898.

No. of Case	No. in Report Book	Date.	Sub-District	Township.	Initials.	Disease.	No. of family	No. Seized.	Age.	Source of infection.	Incidence.	Sequence.	Remarks.
699	88	1898. Oct. 30	Prestbury	Butley	S.S.	Scarlet Fever...	6	1	11	Not traceable	Oct.	Recovered	Sanitary conditions fair
700	88	" 30	"	"	S.M.	"	6	1	6	"	"	"	"
701	88	" 31	"	"	S.S.	"	6	1	3	"	"	"	"
702	89	Nov. 3	"	"	W.T.	"	5	1	5	"	Nov.	"	"
703	89	" 4	Rainow	Saltersford	L.F.	"	7	1	3	"	"	"	Sanitary conditons good
704	"	" 5	Prestbury	Butley	S.F.	"	6	1	9	Traceable to No 701	"	"	"
705	"	" 12	Bollington	Kerridge	H.H.	"	9	1	3	Not traceable	"	"	Sanitary conditions fair
706	90	" 14	"	H. Hurdsfield...	R.H.	"	4	1	7	To Macclesfield	"	"	" good
707	"	" 14	Gawsworth	North Rode	B.J.	Typhoid Fever.	5	1	14	Not traceable	"	"	"
708	"	" 15	Bollington	Kerridge	O.A.	Scarlet Fever...	5	1	5	To Bollington	Nov.	"	"
709	"	" 18	Prestbury	Poynton	J.J.	"	7	1	7	Not traceable	"	"	"
710	93	" 24	Gawsworth	Eaton	S.G.	"	4	1	21	"	"	"	Defective drain
711	94	" 24	Bollington	H. Hurdsfield ..	T.H.	"	4	1	4	To No. 706	"	"	Sanitary conditions good
712	"	" 26	Rainow	Rainow	B.M.	"	10	1	2	"	"	"	"
713	"	" 26	"	"	B.F.	"	10	1	7	"	"	"	"
714	1	Dec. 4	Prestbury	Butley	P.A.	"	9	1	10	Not traceable	Dec.	"	"
715	1	" 5	Bollington	Kerridge	G.A.	"	6	1	5	"	"	"	"
716	1	" 5	Rainow	Saltersford	E.D.	" [croup	4	1	13	"	"	"	Sanitary defects
717	2	" 6	Prestbury	Prestbury	S.D.	Membranous	5	1	2½	"	"	"	"
718	"	" 7	Rainow	Rainow	C.D.	Scarlet Fever...	3	1	9	"	"	"	"
719	2	" 10	Bollington	Kerridge	E.H.	"	4	1	6	"	"	"	Sanitary conditions good
720	3	" 10	"	"	O.Mrs.	Enteric Fever..	3	1	68	"	"	"	Bad drainage
721	83	" 10	"	"	D.F.	Scarlet Fever...	10	1	12	Congleton	"	"	Suspicious drainage
722	83	" 10	"	"	D.M.	"	1	1	8	"	"	"	Sanitary conditions good
723	4	" 14	Rainow	Rainow	J.F.	"	3	1	5	To Harecastle	"	"	"
724	4	" 16	"	"	J.E.	"	3	1	30	"	"	"	"
725	1	" 16	Prestbury	Butley	P.A.	"	9	1	8	To No, 714	"	"	"
726	"	" 17	"	Poynton	S.A.	"	6	1	5	Not traceable	"	"	"
727	"	" 17	Bollington	Kerridge	D.R.	"	10	1	5	To No. 722	"	"	"

Outbreaks of Infectious Diseases during 1898.

No. of Case	No. in Report Book	Date.	Sub-District	Township.	Initials.	Disease.	No. of family	No. Seized.	Age.	Source of infection.	Incidence.	Sequence.	Remarks.
728	5	1898. Dec. 23	Bollington	Mr. Hardsfield.	G. M.	Typhoid Fever.	5	1	45	To Tabley	Dec. 20	Recovery	Sanitary conditions fair
729	5	" 27	Rainow	"	R. J.	Scarlet Fever...	5	1	9	To school	" 25	"	"
730	6	" 27	"	"	O. P.	"	9	1	11	"	" 24	"	"
731	6	" 27	"	"	O. M.	"	9	1	9	"	" 24	"	"
732	6	" 27	"	"	O. E.	"	9	1	7	"	" 24	"	"
733	6	" 27	"	"	O. J.	"	9	1	5	"	" 24	"	"
734	6	" 27	"	"	O. L.	"	9	1	4	"	"	"	"
735	"	" 27	"	"	G. F.	"	4	1	2	Not traceable	" 25	"	"
736	"	" 30	"	"	P. S.	"	5	1	14	"	" 28	"	"
737	"	" 30	"	"	P. E.	"	5	1	11	"	" 28	"	"
738	"	" 30	"	"	P. F.	"	5	1	7	"	" 28	"	"
739	"	" 30	"	"	O. H.	"	9	1	9	" To No. 734	" 29	"	"

(A)

TABLE OF DEATHS during the Year 1898, in the Macclesfield Rural Council District; classified according to Diseases, Ages, and Localities.

Names of Localities adopted for the purpose of these Statistics; Public Institutions being shown as separate Localities.	MORTALITY FROM ALL CAUSES AT SUBJOINED AGES.							Mortality from subjoined causes, distinguishing Deaths of Children under Five Years of Age.																						
	At all ages.	Un- der 1 year.	1 and un- der 5	5 and un- der 15	15 and un- der 25	25 and un- der 65	65 and up- ward		Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.					Cholera.	Erysipelas.	Measles.	Whooping Cough.	Diarrhoea and Dysentery.	Rheumatic Fever.	Phthisis.	Bronchitis Pneumonia and Pleurisy.	Heart Disease.	Influenza.	Injuries.	All Other Diseases.	Total.
													Typhus.	Enteric or Typhoid.	Continued.	Relapsing.	Puerperal.													
<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	<i>f</i>	<i>g</i>	<i>h</i>	<i>i</i>	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
ALDERLEY	33	6	0	1	1	11	14	Under 5	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	5	6
								5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	4	3	...	...	...	18	27
BOLLNIGTON	44	11	2	1	1	13	16	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	5	...	...	...	7	13
								5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	5	4	...	...	...	20	31
GAWSWORTH.....	33	6	3	0	1	7	16	Under 5	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	...	...	...	...	6	9
								5 upwards	...	...	...	...	...	1	...	...	...	...	...	...	...	...	2	4	3	1	...	...	13	24
PRESTBURY	86	12	16	6	2	27	23	Under 5	...	...	...	...	...	...	...	...	...	...	3	...	2	...	...	14	...	...	...	...	9	28
								5 upwards	...	2	...	...	...	...	...	...	...	...	...	...	...	...	5	12	6	3	2	28	58	
RAINOW	21	3	0	1	2	3	12	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	2	3
								5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	3	2	...	...	...	12	18
SUTTON.....	27	6	1	0	0	9	11	Under 5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	5	7
								5 upwards	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	4	1	...	...	...	14	20
TOTALS.....	244	44	22	9	7	70	92	Under 5	...	...	...	...	...	...	...	...	...	...	4	1	3	...	...	24	...	...	...	34	66	
								5 upwards	...	2	...	...	...	1	...	...	...	...	...	...	...	...	13	32	19	4	2	105	178	

(B)

TABLE OF POPULATION, BIRTHS, and of NEW CASES OF INFECTIOUS SICKNESS. coming to the knowledge of the Medical Officer of Health, during the year 1898, in the Macclesfield Rural Council District, classified according to Diseases. Ages, and Localities,

Names of Localities adopted for the purpose of these Statistics; Public Institutions being shown as separate Localities.	Population at all Ages.		Registered Births.	Aged under 5 or over 5.	New Cases of Sickness in each Locality, coming to the knowledge of the Medical Officer of Health.										
	Last Census	Estimated to middle of 1898			Smallpox.	Scarlatina.	Diphtheria.	Membranous Croup.	FEVERS.					Cholera.	Erysipelas.
									Typhus.	Enteric or Typhoid	Continued.	Relapsing.	Puerperal.		
<i>a</i>	<i>b</i>	<i>c</i>	<i>d</i>	<i>e</i>	1	2	3	4	5	6	7	8	9	10	11
ALDERLEY	2965	3121	65	Under 5	...	...	...	...	...	...	...	...	...	...	...
				5 upwards	...	1	...	...	...	...	...	...	...	...	1
BOLLINGTON.....	2846	2950	70	Under 5	...	5	...	...	...	...	...	...	...	...	...
				5 upwards	...	11	...	...	...	5	...	...	...	...	...
GAWWSORTH	2672	2827	68	Under 5	...	1	...	...	...	...	...	...	...	...	...
				5 upwards	...	2	1	...	...	1	...	...	...	...	...
PRESTBURY	4969	5212	127	Under 5	...	4	2	1	...	...	...	...	...	...	...
				5 upwards	...	27	...	...	...	1	...	...	...	...	...
RAINOW	2097	2193	59	Under 5	...	8	1	...	...	...	...	...	...	...	...
				5 upwards	...	20	...	...	...	1	...	...	...	...	...
SUTTON.....	1780	1867	46	Under 5	...	...	...	...	...	...	...	...	...	...	...
				5 upwards	...	...	1	...	...	1	...	...	...	...	1
TOTALS.....	17329	18170	435	Under 5	...	18	3	1	...	...	...	...	...	...	...
				5 upwards	...	61	2	...	...	9	...	...	...	...	2

State here whether "Notification of Infectious Disease" is compulsory in the District—*Yes.* Since when?—*1st Jan., 1890.* No Hospital is as yet provided for Infectious Cases.

BIRTH AND DEATH RATE FOR TEN YEARS.

YEAR.	BIRTH-RATE.	DEATH-RATE.	ZYMOTIC DEATH-RATE.
1889	..... 26.22 .....	..... 15.16 .....	..... 1.71
1890	..... 24.1 .....	..... 17.28 .....	..... 1.43
1891	..... 22.01 .....	..... 15.29 .....	..... .2
1892	..... 21.75 .....	..... 13.08 .....	..... .2
1893	..... 24.45 .....	..... 14.14 .....	..... .5
1894	..... 26.27 .....	..... 12.99 .....	..... .39
1895	..... 24.39 .....	..... 15.02 .....	..... .62
1896	..... 22.36 .....	..... 13.14 .....	..... .33
1897	..... 23.83 .....	..... 13.33 .....	..... .63
1898	..... 25.27 .....	..... 14.08 .....	..... .17

Uncertified Deaths in the Rural Council District of Macclesfield in 1898.

No.	Sub-District.	Township.	Date.	Sex.	Age.	Supposed Cause of Death.
1	Prestbury ...	Adlington	May 13th	F	1 day	Convulsions.
2	Prestbury ...	Poynton-with-Worth...	Dec. 7th	F	68	Unknown.
3	Rainow	Macclesfield Forest ...	Dec. 9th	M	4 hrs	Convulsions.
4	Sutton ...	Langley	Mar. 7th	M	77	Cardiac syncope.

Inquests in the Rural Council District of Macclesfield in the Year 1898.

1	Prestbury ...	Poynton.....	Dec. 30th	M	35	Found dead by suffocation.
2	Prestbury ...	Falilbroome	Jan. 4th	F	60	Found dead in W.C., death due to syncope.
3	Suton	Langley	Feb. 13th	M	76	Died suddenly on high road from fatal syncope.
4	Prestbury ...	Poynton.....	Feb. 18th	M	67	Suicide by taking salts of ammonia whilst temporarily insane.
5	Rainow	Higher Hardsfield.....	Feb. 24th	M	75	Suicide by mutilating body.
6	Gawsworth...	North Rode	Apr. 30th	M	23	Suicide by drowning whilst temporarily insane.
7	Sutton	Sutton	May 15th	M	58	Died suddenly from fatal syncope.
8	Rainow	Rainow	June 9th	M	70	Unknown, died by poisoning from laudanum.
9	Alderley.....	Chelford.....	June 15th	M	16	Drowned whilst bathing.
10	Prestbury ...	Adlington	Sept. 22nd	M	35	Found dead on railway, knocked down and killed by a train.
11	Alderley.....	Chelford.....	Sept. 30th	M	69	Found dead. Heart disease.
12	Alderley.....	Lower Withington.....	Oct. 18th	M	47	Suffocated in a ditch.
13	Sutton	Sutton	Nov. 5th	F	46	Died suddenly from fatal syncope.
14	Sutton	Lane Ends.....	Dec. 14th	F	57	Syncope, owing to hemorrhage from rupture of varicose vein.
15	Prestbury ...	Woodford	Dec. 16th	M	38	Contusion, run over by lorry.
16	Prestbury ...	Woodford	Dec. 19th	M	16	Suicide by shooting whilst temporarily insane.

WATER ANALYSIS, 1898.

DATE.	SOURCE.	LOCATION.	TOWNSHIP.	GRAINS PER GALLON.										OBSERVATIONS
				Total Solids 120 deg. C.	CHLORINE.		Nitro- gen as N'trates	AMMONIA.		Oxygen requir'd	Degrees of hard- ness.	Lead on Coppe.		
					Com- bined.	As Salt.		N'trates	Saline.				Albu- minoid.	
1898. Feb. 16	Field drain	J. Foden, Greendale	Motttram- St.-Andrew	16.38	2.20	3.62	0.68	absent	trace	0.0143	0.130	8	absent	This water contains more or- ganic impurities than can be held desirable in a drinking water. Judging from the analytical data as a whole, and having regard to the nature of the source, there is every probability that the impurities are of vegetable origin, but such a water should not be habi- tually used without pre- liminary boiling or efficient filtration.
June 9	Pump	F. T. Whipp, Starkey Lodge.	Adlington	56.42	6.80	11.21	2.70	absent	trace	0.0157	0.080	30	min'te trace of lead	This water does not show a satisfactory degree of purity, and cannot be held a desirable one for drink- ing purposes. The high yield of Albuminoid Am- monia, and the amount of Chlorides and Nitrates pre- sent indicate that some pollution has occurred.
Sep. 27	Spring	Field below Park House	Butley	23.52	0.9	1.4	0.007	absent	0.00042	0.00224	0.02	19.7	absent	In its present condition this water would form an ex- cellent supply for drinking purposes.

Surveyor and Inspector's Report,

1898.



To the Macclesfield Rural District Council.

Gentlemen,---

I have the honour to submit to you my Tenth Annual Report, showing what has been done in your district in my department during the year, 1898.

Area of district (acres)	80,409
Population, 1891	17,329
Townships in the district	38
Townships in which Inspections were made	38
Houses in the district	4,111
Houses visited	2,315

1 Waste-pipe was disconnected from a drain.

25 new House-drains of glazed stoneware socketted pipes were laid where none previously existed, or to replace inefficient ones.

65 Inlets to drains were trapped.

2 Defective Water Closets in houses were replaced by efficient ones.

24 New Privies were built. Many others were re-arranged to prevent exposure of their contents to any rainfall or drainage.

8 Houses which were so damp as to be injurious to the health of the occupants, were improved by the provision of means for carrying off the roof water, by structural repairs, or by draining the sites.

7 Sleeping-rooms were provided with means of efficient ventilation.

Many other Nuisances arising from blocked drains, inefficient drainage disposal, the keeping of swine and other animals, accumulations of house and other refuse, &c., were abated.

17 Statutory Notices were served for the abatement of nuisances. In no case were legal proceedings taken.

Sulphur for fumigation, and other disinfectants, were supplied to houses in which cases of infectious diseases had occurred, to the instructions of the Medical Officer of Health.

The Slaughter-houses were visited at intervals, and were usually found clean and in good order.

The Effluent Outfalls from the Sewage Disposal Works at Alderley Edge, and at Fulshaw, were visited at intervals, where they discharge into streams in your district. The effluents on each occasion appeared to be satisfactory.

37 Houses were supplied with New or Improved Water Supplies.

3 Samples of Water were sent for analysis, two of which were reported unfit for domestic use. Steps were at once taken in each of these cases to prevent the water being use for domestic purposes.

4 Certificates for 12 houses were granted under the Public Health (Water) Act, 1878.

8 Persons were registered under the Dairies, Cowsheds, and Milkshops Order, 1885,

361 Persons are now registered. Most of the premises were visited, and were usually found in satisfactory order with regard to cleanliness.

9 Sets of Plans of New Buildings were approved. The buildings during the course of their erection were visited frequently to see that the Bye-laws were being adhered to.

29 Canal Boats were inspected under the Canal Boats Acts, 1877 and 1884.

The Boats were registered for 88 adults, and they carried 48 men, 9 women, and 11 children, a percentage of 70·6, 13·2. and 16·2 respectively, as compared with 66·2, 14·7, and 19·1 in the previous year.

The few irregularities met with were amended without any legal proceedings having to be taken.

No case of Infectious Disease was met with.

The pollution of Whitfield Brook, in Upton, by sewage from Parkside Asylum has been discontinued. The Asylum sewage is now discharged into the Macclesfield Corporation sewers.

The Sewerage and Sewage Disposal Works at Poynton were commenced early in May, and are now nearly completed.

A Local Enquiry was held by G. W. Willcocks, Esq., M.Inst.C.E., at Bollington Cross, on the 4th November, into the subject matter of the application made to the Local Government Board for their approval of a Loan for £650 for the purposes of Sewerage and Sewage Disposal at Bollington Cross.

Application has been made to the Local Government Board for sanction of a loan of £2,400 for the purposes of extending the Macclesfield Corporation Water Mains to portions of the Townships of Upton, Fallibroome, Prestbury, Tytherington, Butley, and Kerridge.

A Provisional Agreement has been made with the Corporation of Macclesfield for a supply of water by meter for distribution in these Townships.

The proposal to form a Joint District, comprising portions of the Rural Districts of Chapel-en-le-Frith, Disley, and Macclesfield, and of the Urban Districts of New Mills and Yeardsley-cum-Whaley for the purposes of Water Supply has been abandoned.

515 Letters were written on the business of the office.

720 Letters were received on the business of the office.

I am, Gentlemen,

Your obedient servant,

JAMES THORPE,

Surveyor and Inspector.

19, King Edward Street,

Macclesfield, 3rd, January, 1899.